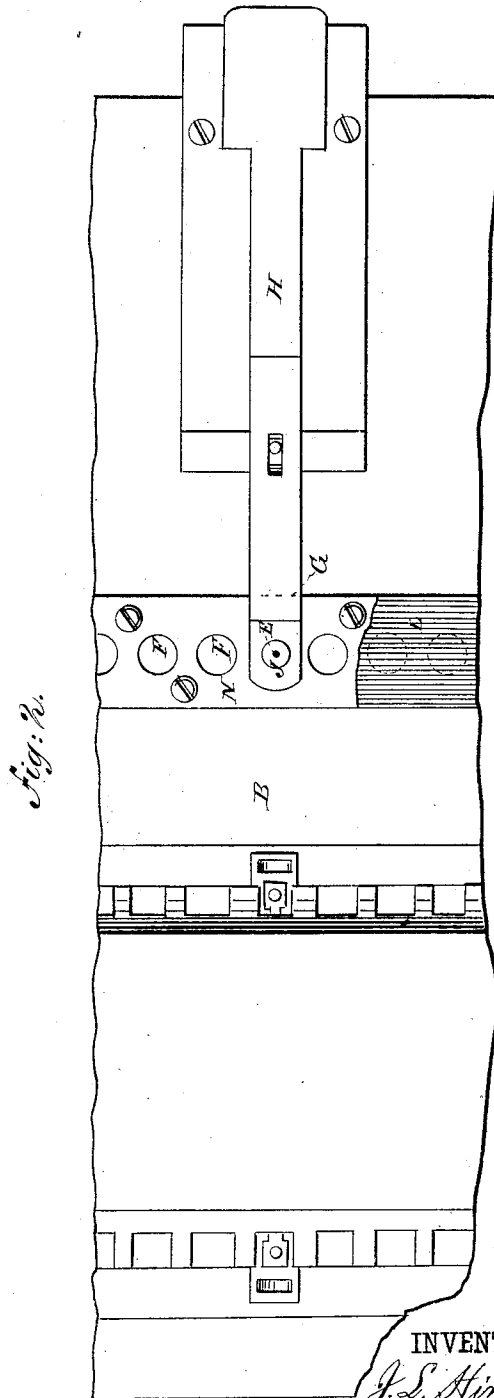
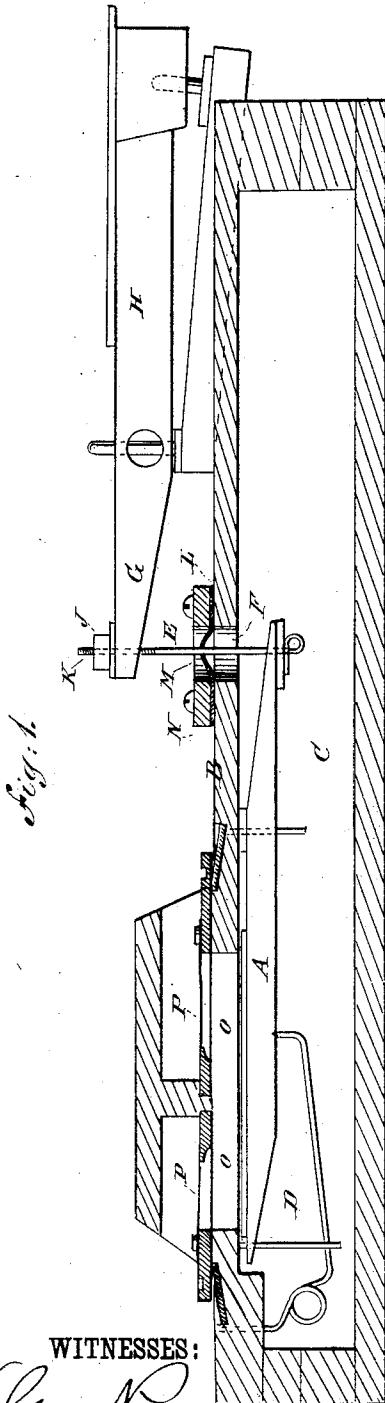


(Model.)

J. L. HINNERS.
REED ORGAN ACTION.

No. 243,899.

Patented July 5, 1881.



WITNESSES:

Chas. Nida.
W. Sedgwick

INVENTOR:

J. L. Hinnners
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN L. HINNERS, OF PEKIN, ILLINOIS.

REED-ORGAN ACTION.

SPECIFICATION forming part of Letters Patent No. 243,899, dated July 5, 1881.

Application filed September 25, 1880. (Model.)

To all whom it may concern :

Be it known that I, JOHN LEONARD HINNERS, of Pekin, in the county of Tazewell and State of Illinois, have invented a new and Improved Action for Reed-Organs, of which the following is a specification.

The object of my invention is to provide a new and improved action for reed-organs which is simple in construction and can be easily and rapidly regulated.

My invention consists in providing reed-organ actions with an air tight, flexible, and durable passage for the tracker-wires, allowing them to be operated without friction or noise.

In the accompanying drawings, Figure 1 is a longitudinal sectional elevation of my improved action for reed-organs. Fig. 2 is a plan view of the same.

The valve A is pivoted on the under side of the sounding or reed board B, forming the top of the wind-chest C, and its inner end is pressed against this sounding-board and over the valve-slot O by a spring, D. The forward end of the valve is attached to a wire, E, which passes upward through an aperture, F, in the sounding-board, and is supported on the inner end, G, of the pivoted key H by a nut, J, screwed on the threaded upper end, K, of the wire E. A piece, L, of sheep-skin or like material is placed over the apertures F, and a strip, N, provided with like apertures, is secured over the skins, and the skin is crimped at these apertures. The crimped diaphragm M thus obtained is per-

forated in the middle, and the wires E passed through these perforations. The crimped part of the diaphragm will move up and down a sufficient distance with the wire and form a free but air-tight passage for the wire.

If the front end of the key is depressed the rear end will be raised, and the forward end of the valve will also be raised, as this end of the valve is connected with the rear end of the key. This operation opens the rear end of the valve from its position against the sounding-board and from over the valve-slot O, and allows the air-current to pass.

I am aware that it is not new to secure a piece of flexible material over the holes through which pass pins to operate valve-levers; also, that flexible material has been stretched tightly over a hole to form an air-tight fulcrum for a lever which must be held firmly in position; but

What I claim is—

In a reed-organ action, the combination of a sounding-board having a series of holes, a correspondingly-apertured strip of wood, and a soft, crimped, flexible diaphragm having a small central hole, with the tracker-wire, all arranged as shown and described, for the purpose set forth.

JOHN LEONARD HINNERS.

Witnesses:

JOHN AMES,
WM. DOCKEN.